

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sreenivasan, Sidlgata V.

App. No.:

10/614,716

GPAU:

1722

Filing Date:

July 7, 2003

Examiner:

Thukhanh T. Nguyen

Dkt. No.:

P90-32V30

Conf. No.:

7603

Conforming Template for Patterning Liquids Disposed on Substrates

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT **Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450

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The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached Form(s) PTO/SB/08A to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed during the period specified in § 1.97(c). Accordingly, the fee set forth in §1.17(p) is required and provided as shown below.

The Commissioner is hereby authorized to charge **\$180.00** to Deposit Account Number 502650. Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

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Signed:

Typed Name: Jennifer L. Cowlishaw

Date:

Respectfully Submitted,

Michael D. Carter Reg. No. 56,661

Registered Patent Agent

Legal Department Molecular Imprints, Inc. P.O. Box 81536

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V		TATEMENT			FILING DATE	07 July 2003	
\ 1) 				FIRST NAMED INVENTOR	Sreenivasan et al	
139	AT & TRADE HAY	se as many shee	ts as necessary))	GROUP ART UNIT	1722	
		·			EXAMINER NAME	Emmanuel S. Luk	
	Sheet	1	of	4	ATTORNEY DOCKET NUMBER	P90-32V30	

		<u> </u>		U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1	U.S. Patent Do	cument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	G1	2005/0236360	A1	Watts et al.	10/27/2005	
•	G2	6,399,406	B2	Chan et al.	6/4/2002	
-	G3	6,605,849	B1	Lutwak et al.	8/12/2003	
	G4	6,607,173	B2	Westmoreland	8/19/2003	
	G5	7,037,639	B2	Voisin	5/2/2006	
	G6	2006/0096949	A1	Watts et al.	5/11/2006	
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INF	ORMATION	DISCLOSE	JRE	APPLICATION NUMBER	10/614,716
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				FIRST NAMED INVENTOR	Sreenivasan et al
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(230	as many sneed	us necessary)		EXAMINER NAME	Emmanuel S. Luk
Sheet	2	of	4	ATTORNEY DOCKET NUMBER	P90-32V30

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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	Translation of Japanese Patent 61-40845, 2/1/1986
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G8	Translation of Japanese Patent 02-248480, 10/1/1990
G9	Translation of Japanese Patent 03-090345, 4/1/1991
G10	Translation of Japanese Patent 09-278490, 10/1/1997
G11	Abstract of Japanese Patent 03-090345, 4/1/1991
G12	Abstract of Japanese Patent 09-278490, 10/1/1997
G13	BIEN ET AL., Characterization of Masking Materials for Deep Glass Micromachining, J. Micromech. Microeng. 13 pp. S34-S40 1/1/2003
G14	BRITTEN ET AL., Multiscale, Multifuncation Diffractive Structures We Etched into Fused Silica for High-Laser Damage Threshold Applications, Applied Optics, Vol. 37, No. 30 10/20/1998
G15	FLETCHER ET AL., Microfabricated Silicon Solid Immersion Lens, Jounnal of Microelectromechanical Systems, Vol. 10, No. 3 9/1/2001

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G16	KHANDAKER ET AL., Fabrication of Microlens Arrays by Direct Electron Beam Exposure of Photoresist, Pure Appl. Opt. 6, pp. 637-641 1/1/1997
G17	KIM ET AL., Replication Qualities and Optical Properties of UV-moulded Microlens Arrays, J. Phys. D: Appl. Phys. 36; pp. 2451-2456 1/1/2003
G18	KOBAYASHI ET AL., Batch Bulk-Mircomachined High-Precision Metal-On-Insulator Microspires and Their Application to Scanning Tunneling Microscopy, J. Micromech. Microeng. 14; pp. S76-S81 1/1/2004
G19	KONIJN ET AL., Nanoimprint Lithography of Sub-100nm 3D Structures, Microelectronic Engineering 78-79; pp653-658 1/1/2005
G20	KUNNAVAKKAM ET AL., Low-cost, Low-loss Microlens Arrays Fabricated by Soft-Lithography Replication Process, Applied Physics Letters, Volume 82, Number 8 2/24/2003
G21	MANSELL ET AL., Binary-Optic Smoothing with Isotropic Etching, Applied Optics; Vol. 36, No. 20 7/10/1997
G22	WAHEED ET AL., Balancing Aerial Image Intensity for Alternating Aperture Phase Shift Masks Using an Isotropic Dry-Etch, Proceedings of SPIE Vol. 5130 4/18/2003
G23	SANO ET AL., Submicron Spaced Lens Array Process Technology for a High Photosensitivity CCD Image Sensor, IEEE IEDM Dig.; pp. 283-286 1/1/1990
G24	TSUKAMOTO ET AL., High Sensitivity Pixel Technology for a 1/4 inch PAL 430k pixel IT-CCD, IEE Custom Integrated Circuits Conference 1/1/1996

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	G25	YONEDA ET AL., Translation of Japanese Patent 02-248480, Transparent Substrate with Water-Repellent and Antistaining Properties, and Structure Equipped Therewith 10/4/1990	
	G26	YONEDA ET AL., Translation of Japanese Patent 02-248480, Transparent Substrate Material with Water-Replient and Anti-Staining Properties and Structure Equipped with Same 10/4/1990	

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